

Table 1 Glacial lakes in very-high risk and the estimated GLOF propagation

FID	Region	Lat	Lon	Elev	Area	Volume	Estimated Runout Length (km)	Estimated Flood Area (km ²)
1	North Tianshan	43.14	94.3	3676	0.059702	0.64871	53.65	5.07
2	North Tianshan	43.82	88.41	3331	0.118946	1.824282	128.6	18.43
3	North Tianshan	43.81	88.28	3537	0.522605	16.8	138.3	94.82
4	North Tianshan	43.79	88.28	3482	0.170095	2.236451	95.35	20.6
5	Pamir	37.95	72.65	4525	3.067094	62.23	111.2	26.08
6	Karakoram	36.64	73.41	2728	0.17557	3.271467	49.03	7.72
7	Inner Tibet	29.91	90.06	5128	0.363681	9.727546	100.8	17.33
8	Inner Tibet	28.93	90.22	5105	0.511763	16.74	283.9	41.19
9	Western Himalaya	31.66	78.17	4269	0.359484	9.584876	43.35	5.61
10	Western Himalaya	32.5	77.55	4162	1.545607	85.45	118.5	23.51
11	Western Himalaya	34.04	75.84	4086	0.487439	15.13	43.63	10.19
12	Western Himalaya	34.92	74.52	4055	0.746247	30.5	67.54	11.23
13	Central Himalaya	28.47	85.52	4449	0.442556	13.29	97.59	6.33
14	Central Himalaya	28.49	84.49	4048	0.970394	42.51	109.9	13.85
15	Central Himalaya	28.69	83.85	4913	3.590719	302.6	131.2	16.56
16	Central Himalaya	29.93	82.21	4558	0.459728	13.86	63.23	8.27
17	Central Himalaya	29.9	81.58	3579	0.328826	8.385257	64.74	7.83
18	Central Himalaya	30.27	81.35	5212	0.511346	16.26	67.57	7.63
19	Eastern Himalaya	28.02	91.6	4823	0.400924	11.29	71.32	5.68
20	Eastern Himalaya	28.02	90.71	4878	1.660818	95.18	81.13	18.62
21	Eastern Himalaya	28.27	90.59	5423	0.480521	14.81	105.5	12.69
22	Eastern Himalaya	28.24	90.5	5605	0.223372	4.694726	89.63	6.32
23	Eastern Himalaya	28.2	90.38	5428	0.433086	12.67	105.8	15.23
24	Eastern Himalaya	27.8	89.35	4345	0.157598	2.782231	71.67	7.74
25	Eastern Himalaya	27.81	89.23	5141	0.587218	20.84	125.9	23.82
26	Eastern Himalaya	27.99	88.82	5305	1.877728	114.4	144.8	25.71
27	Eastern Himalaya	28	88.71	5247	1.26414	63.21	120.2	16.91
28	Eastern Himalaya	28.01	88.7	5220	1.080797	49.97	120.1	16.77
29	Eastern Himalaya	27.98	88.62	4960	0.577494	20.29	108	13.19
30	Eastern Himalaya	27.96	88.71	5087	0.391829	10.91	108.9	11.15
31	Eastern Himalaya	27.99	88.55	5154	0.663294	25.29	125.5	15.55
32	Eastern Himalaya	27.98	88.51	4928	0.376219	10.27	93.71	9.54
33	Eastern Himalaya	27.91	88.19	5209	1.675934	96.48	137.6	23.25
34	Eastern Himalaya	27.92	88.16	5451	0.835951	33.99	131.1	18.98
35	Eastern Himalaya	27.85	88.24	5205	0.355868	9.44062	118.2	12.2
36	Eastern Himalaya	27.82	88.25	5413	0.880342	36.73	139.2	23.45
37	Eastern Himalaya	27.96	87.82	5260	0.500128	15.73	83.37	11.42
38	Eastern Himalaya	28.19	87.64	5355	0.529949	17.16	166.1	51.37

39	Eastern Himalaya	28.21	87.47	4788	1.296583	23.12	104.3	14.41
40	Eastern Himalaya	27.9	86.93	5014	1.734423	101.6	131.4	13
41	Eastern Himalaya	27.86	86.48	4548	1.672821	96.21	91.41	12.77
42	Eastern Himalaya	27.95	86.45	5050	1.901146	116.6	83.51	13.13
43	Eastern Himalaya	28.03	86.5	5067	0.848001	34.73	84.55	12.13
44	Eastern Himalaya	28.13	86.53	4995	1.100315	51.33	89.47	12
45	Eastern Himalaya	28.11	86.86	5217	0.551969	18.24	167	37.6
46	Eastern Himalaya	28.39	86.38	5492	1.256415	62.63	452.3	119.5
47	Eastern Himalaya	28.37	86.3	5348	3.985538	353.8	477.4	117.7
48	Eastern Himalaya	28.37	86.26	5548	0.378786	10.37	116.4	10.21
49	Eastern Himalaya	28.35	86.23	5360	0.64037	22.79	137.7	14.19
50	Eastern Himalaya	28.34	86.19	5418	0.543372	18.42	99.29	14.39
51	Eastern Himalaya	28.3	86.16	5307	0.59059	21.03	130.9	11.55
52	Eastern Himalaya	28.21	85.85	4367	0.486565	15.45	87.92	7
53	Eastern Himalaya	28.32	85.84	5074	5.508161	732.2	139.5	14.9
54	Eastern Himalaya	28.36	85.87	5217	4.678417	450	181.3	18.84
55	SE Tibet	28.8	91.94	5202	0.134799	1.711606	51.05	8.4
56	SE Tibet	30.35	93.63	4449	0.265163	5.886309	25.76	4.77
57	SE Tibet	30.26	93.46	4187	0.088782	1.176399	13.79	3.72
58	SE Tibet	30.27	93.46	4077	0.707852	11.53	31.8	9.14
59	SE Tibet	30.24	93.64	4185	1.111667	52.12	59.02	17.08
60	SE Tibet	30.52	93.44	4784	1.156795	55.33	64.88	11.39
61	SE Tibet	30.2	93.8	4213	0.481646	14.86	39.23	17.63
62	SE Tibet	30.26	93.76	4039	1.003794	44.72	44.67	25.23
63	SE Tibet	30.12	94.19	3906	0.968592	46.18	57.61	30.79
64	SE Tibet	30.1	94.27	3920	0.85628	37.96	52.07	12.04
65	SE Tibet	30.94	93.81	4760	1.863648	113.1	77.95	15.18
66	SE Tibet	30.64	94.96	4362	1.354264	70.08	54.55	23.28
67	SE Tibet	30.67	94.84	4508	0.286533	6.820702	38.08	16.2
68	SE Tibet	30.67	94.7	4206	0.76097	29.52	57.67	30.56
69	SE Tibet	30.65	94.49	3971	5.42687	562.2	57.22	20.84
70	SE Tibet	30.63	94.44	4115	0.754944	29.17	59.52	20.42
71	SE Tibet	30.68	94.32	4134	0.303899	7.450082	41.44	8.54
72	SE Tibet	30.44	94.54	3306	0.374095	5.535965	25.72	8.31
73	SE Tibet	30.45	94.6	4023	2.127756	138	47.69	33.28
74	SE Tibet	30.54	94.76	3646	0.610696	22.18	53.74	25.34
75	SE Tibet	31.74	94.73	4323	0.921853	39.36	72.51	14.77
76	SE Tibet	31.76	94.65	4216	0.712686	26.76	66.45	13.83
77	SE Tibet	31.84	94.6	4855	0.340511	8.836166	54.95	7.82
78	SE Tibet	30.48	95.03	4326	0.306956	7.562777	51.04	18.04
79	Henduan Shan	30.6	95.18	4299	1.334652	68.57	97.77	21.58
80	Henduan Shan	30.27	95.61	4476	0.425218	12.33	69.43	11.57
81	Henduan Shan	30.22	95.58	4345	0.886743	40.13	104.9	31.49
82	Henduan Shan	29.99	95.87	4324	0.464866	14.37	76.73	26.87

83	Henduan Shan	29.99	95.8	4158	0.092046	1.241865	34.74	5.12
84	Henduan Shan	29.46	96.5	3846	0.602858	20.82	9.98	1.62
85	Henduan Shan	29.73	96.59	4778	0.448286	13.57	65.08	15.52

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